

PECAN - DC-8 07/12/15 Science Report

Aircraft:

[DC-8](#) ([See full schedule](#))

Date:

Sunday, July 12, 2015

Mission:

PECAN

Mission Location:

Salina, KS

Mission Summary:

Plains Elevated Convection At Night (PECAN) DC-8 mission to Salina, KS June 28-July 16, 2015

Submitted by:

Timothy Moes on 07/12/15

File:

 [SITREP #6 DC-8 PECAN.pdf](#)

Related Flight Report:

DC-8 07/11/15

Flight Number:

1030

Payload Configuration:

PECAN (LASE, NAST-I, RainCube & MASC unpowered, ARMAS)

Nav Data Collected:

Yes

Total Flight Time:

6.5 hours

Comments:

This was another good flight for PECAN objectives which were lower-level jets, convective initiation, and bore disturbances. Both Raincube and MASC were unpowered as their objectives are complete for this deployment. NAST-I captured data for a significant part of the mission. The aircraft returned in good shape and ready to support the next planned mission which will be no earlier than July 13.

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Timothy Moes on 07/12/15

Flight Segments:

From:	KSLN	To:	KSL
Date:	07/11/15		
Flight Time:	6.5 hours		
Log Number:	158008	PI:	Richard Ferrare
Funding Source:	Jack Kaye - NASA - SMD - ESD Director Research and Analysis		
Purpose of Flight:	Science		

Flight Hour Summary:

	158008
Flight Hours Approved in SOFRS	50
Total Used	56.7
Total Remaining	-6.7

158008 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
06/25/15	1020	Science	1.5	1.5	48.5
06/28/15	1022	Transit	2.6	4.1	45.9
06/28/15	1023	Pilot Proficiency	0.7	4.8	45.2
06/30/15	1024	Science	5.4	10.2	39.8

07/04/15	1025	Science	4.1	14.3	35.7
07/05/15	1026	Science	6.2	20.5	29.5
07/06/15	1027	Science	2.9	23.4	26.6
07/08/15	1028	Science	5.6	29	21
07/10/15	1029	Science	7.7	36.7	13.3
07/11/15	1030	Science	6.5	43.2	6.8
07/13/15	1031	Science	6.5	49.7	0.3
07/14/15	1032	Science	4.6	54.3	-4.3
07/16/15	1033	Transit	2.4	56.7	-6.7

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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